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=> S SCHIZOPHRENIA
L2 89411 SCHIZOPHRENIA

=> S L2 AND D4 RECEPTOR
L3 254 L2 AND D4 RECEPTOR

=> DUP REM L3
PROCESSING COMPLETED FOR L3
L4 187 DUP REM L3 (67 DUPLICATES REMOVED)

=> S L4 AND (METHYL OR METHYLATION)
L5 14 L4 AND (METHYL OR METHYLATION)

=> D 1

L5 ANSWER 1 OF 14 MEDLINE
AN 2002089462 IN-PROCESS
DN 21675145 PubMed ID: 11817497
TI The discovery of PD 89211 and related compounds: selective dopamine
D4 receptor antagonists.
AU Pugsley Thomas A; Shih Yu Hsin; Whetzel Steven Z; Zoski Kim; Van Leeuwen
Don; Akunne Hyacinth; Mackenzie R; Heffner Thomas G; Wustrow David; Wise
Lawrence D
CS CNS Pharmacology and Chemistry, Pfizer Global Research and Development,
Ann Arbor, MI 48105, USA.. thomas.pugsley@pfizer.com
SO PROGRESS IN NEURO-PSYCHOPHARMACOLOGY AND BIOLOGICAL PSYCHIATRY, (2002 Feb)
26 (2) 219-26.
Journal code: 8211617. ISSN: 0278-5846.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20020131
Last Updated on STN: 20020131

=> D 2

L5 ANSWER 2 OF 14 MEDLINE
AN 2001178227 MEDLINE
DN 21067396 PubMed ID: 11150701
TI Carbon-11 pb-12: an attempt to visualize the dopamine d(4) receptor in the primate brain with positron emission tomography.
AU Langer O; Halldin C; Chou Y; Sandell J; Swahn C; Nagren K; Perrone R; Berardi F; Leopoldo M; Farde L
CS Karolinska Institute, Department of Clinical Neuroscience, Psychiatry Section, Karolinska Hospital, Stockholm, Sweden.. oliver.langer@psyk.ks.se
NC 41205
SO NUCLEAR MEDICINE AND BIOLOGY, (2000 Nov) 27 (8) 707-14.
Journal code: BOO; 9304420. ISSN: 0969-8051.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200103
ED Entered STN: 20010404
Last Updated on STN: 20010404
Entered Medline: 20010329

=> D 3

L5 ANSWER 3 OF 14 MEDLINE
AN 2001150975 MEDLINE
DN 21103626 PubMed ID: 11170639
TI Current and novel approaches to the drug treatment of **schizophrenia**.
AU Rowley M; Bristow L J; Hutson P H
CS Merck Sharp and Dohme, The Neuroscience Research Centre, Terlings Park, Eastwick Road, Harlow, Essex CM20 2QR, UK.. Michael_Rowley@Merck.com
SO JOURNAL OF MEDICINAL CHEMISTRY, (2001 Feb 15) 44 (4) 477-501. Ref: 283
Journal code: JOF; 9716531. ISSN: 0022-2623.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LA English
FS Priority Journals
EM 200103
ED Entered STN: 20010404
Last Updated on STN: 20010404
Entered Medline: 20010315

=> D 4

L5 ANSWER 4 OF 14 MEDLINE
AN 2000281457 MEDLINE
DN 20281457 PubMed ID: 10820134
TI Metabolism of A dopamine D(4)-selective antagonist in rat, monkey, and humans: formation of A novel mercapturic acid adduct.
AU Zhang K E; Kari P H; Davis M R; Doss G; Baillie T A; Vyas K P
CS Department of Drug Metabolism, Merck Research Laboratories, West Point, Pennsylvania and Rahway, New Jersey, USA.
SO DRUG METABOLISM AND DISPOSITION, (2000 Jun) 28 (6) 633-42.
Journal code: EBR; 9421550. ISSN: 0090-9556.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

EM 200007
ED Entered STN: 20000811
Last Updated on STN: 20000811
Entered Medline: 20000731

=> D 5

L5 ANSWER 5 OF 14 MEDLINE
AN 1999410512 MEDLINE
DN 99410512 PubMed ID: 10479303
TI Design, synthesis, and evaluation of chromen-2-ones as potent and selective human dopamine D4 antagonists.
AU Kesten S R; Heffner T G; Johnson S J; Pugsley T A; Wright J L; Wise L D
CS Departments of Chemistry and Therapeutics, Parke-Davis Pharmaceutical Research, Division of Warner-Lambert Company, 2800 Plymouth Road, Ann Arbor, Michigan 48105, USA.
SO JOURNAL OF MEDICINAL CHEMISTRY, (1999 Sep 9) 42 (18) 3718-25.
Journal code: J0F; 9716531. ISSN: 0022-2623.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199910
ED Entered STN: 19991026
Last Updated on STN: 19991026
Entered Medline: 19991014

=> D 6

L5 ANSWER 6 OF 14 MEDLINE
AN 1999321136 MEDLINE
DN 99321136 PubMed ID: 10395213
TI D4 dopamine receptor-mediated phospholipid **methylation** and its implications for mental illnesses such as **schizophrenia**.
AU Sharma A; Kramer M L; Wick P F; Liu D; Chari S; Shim S; Tan W; Ouellette D; Nagata M; DuRand C J; Kotb M; Deth R C
CS Department of Pharmaceutical Sciences, Northeastern University, Boston, Massachusetts 02115, USA.
SO MOLECULAR PSYCHIATRY, (1999 May) 4 (3) 235-46.
Journal code: CUM; 9607835. ISSN: 1359-4184.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199909
ED Entered STN: 19990925
Last Updated on STN: 20000303
Entered Medline: 19990913

=> D 7

L5 ANSWER 7 OF 14 MEDLINE
AN 1998034296 MEDLINE
DN 98034296 PubMed ID: 9369363
TI Dopamine **D4 receptor** and anxiety: behavioural profiles of clozapine, L-745,870 and L-741,742 in the mouse plus-maze.
AU Cao B J; Rodgers R J
CS Ethopharmacology Laboratory, School of Psychology, University of Leeds, UK.
SO EUROPEAN JOURNAL OF PHARMACOLOGY, (1997 Sep 24) 335 (2-3) 117-25.
Journal code: EN6; 1254354. ISSN: 0014-2999.

CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199712
ED Entered STN: 19980109
Last Updated on STN: 19990129
Entered Medline: 19971222

=> D 8

L5 ANSWER 8 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2001:447931 BIOSIS
DN PREV200100447931
TI Genetic animal models: Focus on **schizophrenia**.
AU Gainetdinov, Raul R. (1); Mohn, Amy R. (1); Caron, Marc G. (1)
CS (1) Depts of Cell Biology and Medicine, Howard Hughes Medical Institute
Laboratories, Duke University Medical Center, Durham, NC, 27710:
caron002@mc.duke.edu USA
SO Trends in Neurosciences, (September, 2001) Vol. 24, No. 9, pp. 527-533.
print.
ISSN: 0166-2236.
DT General Review
LA English
SL English

=> D 9

L5 ANSWER 9 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2001:273237 BIOSIS
DN PREV200100273237
TI 2,4-diaminopyrimidine derivatives as dopamine **D4 receptor**
antagonist.
AU Bosmans, Jean-Paul Rene Marie Andre (1); Love, Christopher John; Van
Lommen, Guy Rosalia Eugene
CS (1) Rijkevorsel Belgium
ASSIGNEE: Janssen Pharmaceutica N. V., Belgium
PI US 6159982 December 12, 2000
SO Official Gazette of the United States Patent and Trademark Office Patents,
(Dec. 12, 2000) Vol. 1241, No. 2, pp. No Pagination. e-file.
ISSN: 0098-1133.
DT Patent
LA English

=> D 10

L5 ANSWER 10 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2001:119270 BIOSIS
DN PREV200100119270
TI Methods and materials for the diagnosis and treatment of
schizophrenia and related disorders.
AU Deth, Richard C. (1)
CS (1) Waban, MA USA
ASSIGNEE: Northeastern University
PI US 6080549 June 27, 2000
SO Official Gazette of the United States Patent and Trademark Office Patents,
(June 27, 2000) Vol. 1235, No. 4, pp. No Pagination. e-file.
ISSN: 0098-1133.
DT Patent
LA English

=> D 11

L5 ANSWER 11 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:542938 BIOSIS
DN PREV200000542938
TI trans-1-((2-phenylcyclopropyl)**methyl**)-4-arylpiperazines: Mixed
dopamine D2/D4 **receptor** antagonists as potential
antipsychotic agents.
AU Zhang, Xiaoyan; Hodgetts, Kevin; Rachwal, Stanislaw; Zhao, He; Wasley, Jan
W. F.; Craven, Kimberly; Brodbeck, Robbin; Kieltyka, Andrzej; Hoffman,
Diane; Bacolod, Maria D.; Girard, Brian; Tran, Jennifer; Thurkauf, Andrew
(1)
CS (1) Neurogen Corporation, 35 Northeast Industrial Road, Branford, CT,
06405 USA
SO Journal of Medicinal Chemistry, (October 19, 2000) Vol. 43, No. 21, pp.
3923-3932. print.
ISSN: 0022-2623.
DT Article
LA English
SL English

=> D 12

L5 ANSWER 12 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:289799 BIOSIS
DN PREV200000289799
TI N- **methyl** piperazine compounds having dopamine receptor
affinity.
AU Fu, Jian-Min (1); Rakhit, Sumanas
CS (1) Brampton Canada
ASSIGNEE: Allelix Biopharmaceuticals
PI US 5968478 October 19, 1999
SO Official Gazette of the United States Patent and Trademark Office Patents,
(Oct. 19, 1999) Vol. 1227, No. 3, pp. No pagination. e-file.
ISSN: 0098-1133.
DT Patent
LA English

=> D 13

L5 ANSWER 13 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:212080 BIOSIS
DN PREV200000212080
TI Effects of D4 **receptor** antagonists on phospholipid
methylation stimulated by varied concentrations of dopamine.
AU Tan, W. (1); Deth, R. C. (1)
CS (1) Department of Pharmaceutical Sciences, Northeastern University,
Boston, MA, 02115 USA
SO Society for Neuroscience Abstracts, (1999) Vol. 25, No. 1-2, pp. 1570.
Meeting Info.: 29th Annual Meeting of the Society for Neuroscience. Miami
Beach, Florida, USA October 23-28, 1999 Society for Neuroscience
. ISSN: 0190-5295.
DT Conference
LA English
SL English

=> D 14

L5 ANSWER 14 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:532037 BIOSIS

DN PREV199799831240
TI D4 dopamine receptor-dependent phospholipid **methylation** is
interrelated to nucleoside biosynthesis.
AU Deth, R. C.; Wick, P. F.; Chari, S.; Shim, S.; Sharma, A.
CS Dep. Pharmaceutical Sci., Northeastern Univ., Boston, MA 02115 USA
SO Society for Neuroscience Abstracts, (1997) Vol. 23, No. 1-2, pp. 1929.
Meeting Info.: 27th Annual Meeting of the Society for Neuroscience New
Orleans, Louisiana, USA October 25-30, 1997
ISSN: 0190-5295.
DT Conference; Abstract; Conference
LA English